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PTO/SB/05 (03-01)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 2269-5710US (02-1538.00/US)

First Inventor Bolken et al.

Title IMAGE SENSOR PACKAGES AND METHODS OF FABRICATION

Express Mail Label No. EV348041047US

PTO  
10/664845



## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 31]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 15]
5. Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 C.F.R. §3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Formal Drawings (15 sheets)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The Incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number

24247

or ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Greg J. Warder

Registration No. (Attorney/Agent)

50,208

Signature

Date

September 17, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

|   |  |                                 |                             |
|---|--|---------------------------------|-----------------------------|
| <h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2003</h2> <p style="font-size: small; margin: 5px 0;">Effective 01/01/2003. Patent fees are subject to annual revision.</p> |  | <p><b>Complete if Known</b></p> |                             |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |  | Application Number              | To be assigned              |
| <b>TOTAL AMOUNT OF PAYMENT</b> (\$) 2026  |  | Filing Date                     | September 17, 2003          |
|   |  | First Named Inventor            | Bolken et al.               |
|   |  | Examiner Name                   | To be assigned              |
|   |  | Group / Art Unit                | To be assigned              |
|   |  | Attorney Docket No.             | 2269-5710US (02-1538.00/US) |

| METHOD OF PAYMENT (check all that apply)  | FEE CALCULATION (continued)   |              |              |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
|---|---|--------------|--------------|--|-----------------|-----------------|----------|----------|----------|----------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|---|------|------|------|------|------------------|---------------------------|------|------|-------|------|--------------------|--|------|------|------|------|------------------------|--|---|--------------|--------|--------------|--------|---|----------|----------|----------|----------|----------|--|----|------|-----|------------------------|-----|---|----|------|-----|-----------------------------------|-----|--|-----|------|-------|---------------------------------------|-----|---|----|------|-------|--|-----|--|----|------|-----|--|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|-------|------|-------|---|--|------|-----|------|----|----------------------------------|--|------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|--------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|----|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|
| <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input type="checkbox"/> Deposit Account:<br><div style="margin-top: 10px;">                 Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">20-1469</span><br/><br/>                 Deposit Account Name: <span style="border: 1px solid black; padding: 2px 20px;">TraskBritt</span> </div> <p style="font-size: x-small;">The Commissioner is authorized to: (check all that apply)<br/> <input type="checkbox"/> Charge fee(s) indicated below   <input checked="" type="checkbox"/> Credit any overpayments<br/> <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br/> <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.</p> | <h3>3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> <p>*Reduced by Basic Filing Fee Paid      <b>SUBTOTAL (3)</b> (\$) 40</p> | Large Entity |              | Small Entity   |                 | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet. |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2,520 | 1812 | 2,520              | For filing a request for reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |   | 1805         | 1,840* | 1805         | 1,840* | Requesting publication of SIR after Examiner action |          | 1251     | 110      | 2251     | 55       | Extension for reply within first month |    | 1252 | 410 | 2252                   | 205 | Extension for reply within second month |    | 1253 | 930 | 2253                              | 465 | Extension for reply within third month |     | 1254 | 1,450 | 2254                                  | 725 | Extension for reply within fourth month |    | 1255 | 1,970 | 2255   | 985 | Extension for reply within fifth month |    | 1401 | 320 | 2401   | 160 | Notice of Appeal |  | 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal |  | 1403 | 280 | 2403 | 140 | Request for oral hearing |  | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |  | 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional |  | 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) |  | 1502 | 470 | 2502 | 235 | Design issue fee |  | 1503 | 630 | 2503 | 315 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17 (q) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40 | 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  |
| Large Entity  |   | Small Entity |              | Fee Description  | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1051  | 130   | 2051         | 65           | Surcharge - late filing fee or oath  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1052  | 50  | 2052         | 25           | Surcharge - late provisional filing fee or cover sheet.                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1053  | 130   | 1053         | 130          | Non-English specification  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1812  | 2,520   | 1812         | 2,520        | For filing a request for reexamination                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1804  | 920*  | 1804         | 920*         | Requesting publication of SIR prior to Examiner action                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1805  | 1,840*  | 1805         | 1,840*       | Requesting publication of SIR after Examiner action                        |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1251  | 110   | 2251         | 55           | Extension for reply within first month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1252  | 410   | 2252         | 205          | Extension for reply within second month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1253  | 930   | 2253         | 465          | Extension for reply within third month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1254  | 1,450   | 2254         | 725          | Extension for reply within fourth month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1255  | 1,970   | 2255         | 985          | Extension for reply within fifth month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1401  | 320   | 2401         | 160          | Notice of Appeal   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1402  | 320   | 2402         | 160          | Filing a brief in support of an appeal                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1403  | 280   | 2403         | 140          | Request for oral hearing   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1451  | 1,510   | 1451         | 1,510        | Petition to institute a public use proceeding                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1452  | 110   | 2452         | 55           | Petition to revive - unavoidable   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1453  | 1,300   | 2453         | 650          | Petition to revive - unintentional   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1501  | 1,300   | 2501         | 650          | Utility issue fee (or reissue)   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1502  | 470   | 2502         | 235          | Design issue fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1503  | 630   | 2503         | 315          | Plant issue fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1460  | 130   | 1460         | 130          | Petitions to the Commissioner  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1807  | 50  | 1807         | 50           | Processing fee under 37 CFR 1.17 (q)                                       |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1806  | 180   | 1806         | 180          | Submission of Information Disclosure Stmt                                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 8021  | 40  | 8021         | 40           | Recording each patent assignment per property (times number of properties) | 40              |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1809  | 750   | 2809         | 375          | Filing a submission after final rejection (37 CFR § 1.129(a))              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1810  | 750   | 2810         | 375          | For each additional invention to be examined (37 CFR § 1.129(b))           |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1801  | 750   | 2801         | 375          | Request for Continued Examination (RCE)                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1802  | 900   | 1802         | 900          | Request for expedited examination of a design application                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <h3>1. BASIC FILING FEE</h3> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (1)</b> (\$) 750</p>                     | Large Entity  |              | Small Entity |  | Fee Description | Fee Paid        | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001     | 750  | 2001 | 375  | Utility filing fee | 750                                 | 1002 | 330  | 2002 | 165  | Design filing fee |   | 1003 | 520  | 2003 | 260  | Plant filing fee |                           | 1004 | 750  | 2004  | 375  | Reissue filing fee |  | 1005 | 160  | 2005 | 80   | Provisional filing fee |  | <h3>2. EXTRA CLAIM FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (2)</b> (\$) 1236</p> | Large Entity |        | Small Entity |        | Fee Description                                     | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1202                                   | 18 | 2202 | 9   | Claims in excess of 20 |     | 1201                                    | 84 | 2201 | 42  | Independent claims in excess of 3 |     | 1203                                   | 280 | 2203 | 140   | Multiple dependent claim, if not paid |     | 1204                                    | 84 | 2204 | 42    | ** Reissue independent claims over original patent |     | 1205                                   | 18 | 2205 | 9   | ** Reissue claims in excess of 20 and over original patent |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity  |   | Small Entity |              | Fee Description  |                 |                 | Fee Paid |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1001  | 750   | 2001         | 375          | Utility filing fee   | 750             |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1002  | 330   | 2002         | 165          | Design filing fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1003  | 520   | 2003         | 260          | Plant filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1004  | 750   | 2004         | 375          | Reissue filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1005  | 160   | 2005         | 80           | Provisional filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity  |   | Small Entity |              | Fee Description  | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1202  | 18  | 2202         | 9            | Claims in excess of 20   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1201  | 84  | 2201         | 42           | Independent claims in excess of 3  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1203  | 280   | 2203         | 140          | Multiple dependent claim, if not paid                                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1204  | 84  | 2204         | 42           | ** Reissue independent claims over original patent                         |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1205  | 18  | 2205         | 9            | ** Reissue claims in excess of 20 and over original patent                 |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |   |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |     |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                      |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |

\*\*or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY      |                | Complete (if applicable)        |                    |
|-------------------|----------------|---------------------------------|--------------------|
| Name (Print/Type) | Greg T. Warder | Registration No. Attorney/Agent | 50,208             |
| Signature         |                | Telephone                       | 801-532-1922       |
|                   |                | Date                            | September 17, 2003 |

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Bolken et al.

**Serial No.:** Not Yet Assigned

**Filed:** September 17, 2003

**For:** IMAGE SENSOR PACKAGES AND  
METHODS OF FABRICATION

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-5710US

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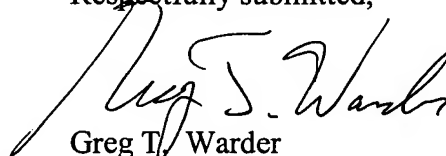
**TRANSMITTAL OF FORMAL DRAWINGS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached please find the formal drawings for this application in substitution for the informal drawings as filed with the application.

Respectfully submitted,



Greg T. Warder  
Registration No. 50,208  
Attorney for Applicant(s)  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: September 17, 2003

GTW/ljb

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